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PATENT ABSTRACTS OF JAPAN

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MIZOGUCHI KENJI**(54) **AIR INTAKE DEVICE**

(57) Abstract:

PURPOSE: To reduce generation of an intake air abnormal sound by preventing a turbulent flow of an intake air flow by a groove part of a negative pressure passage.

CONSTITUTION: An intake air device is provided with a throttle body 1 and an intake flange 2 connected to its downstream side end surface. A groove part 5 of a negative pressure passage to be communicated with an intake air passage 3 is arranged on a mating face with the intake flange 2 of the throttle body 1. An inclining groove part 5 which faces the groove part 5 and inclines toward a downstream side wall surface of the intake air passage 3 from the inmost end part of its groove part 5, is arranged on a mating face with the throttle body 1 of the intake flange 2. An intake air flow in the vicinity of the opening end of the groove part 5 of the negative pressure passage is smoothed by the inclining groove part 8 arranged on the mating face of the intake flange 2.

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